

CHAIN PULLEY BLOCK (ROBO SERIES)



OPERATING INSTRUCTION & MAINTENANCE MANUAL

Let's make lifting smarter

TEST CERTIFICATE

Product: Chain Block .

Model: _____

Serial No.: _____

Capacity: _____

Lifting Height: _____

Dealer stamp

Inspector: _____

Date: _____

Date of selling: _____

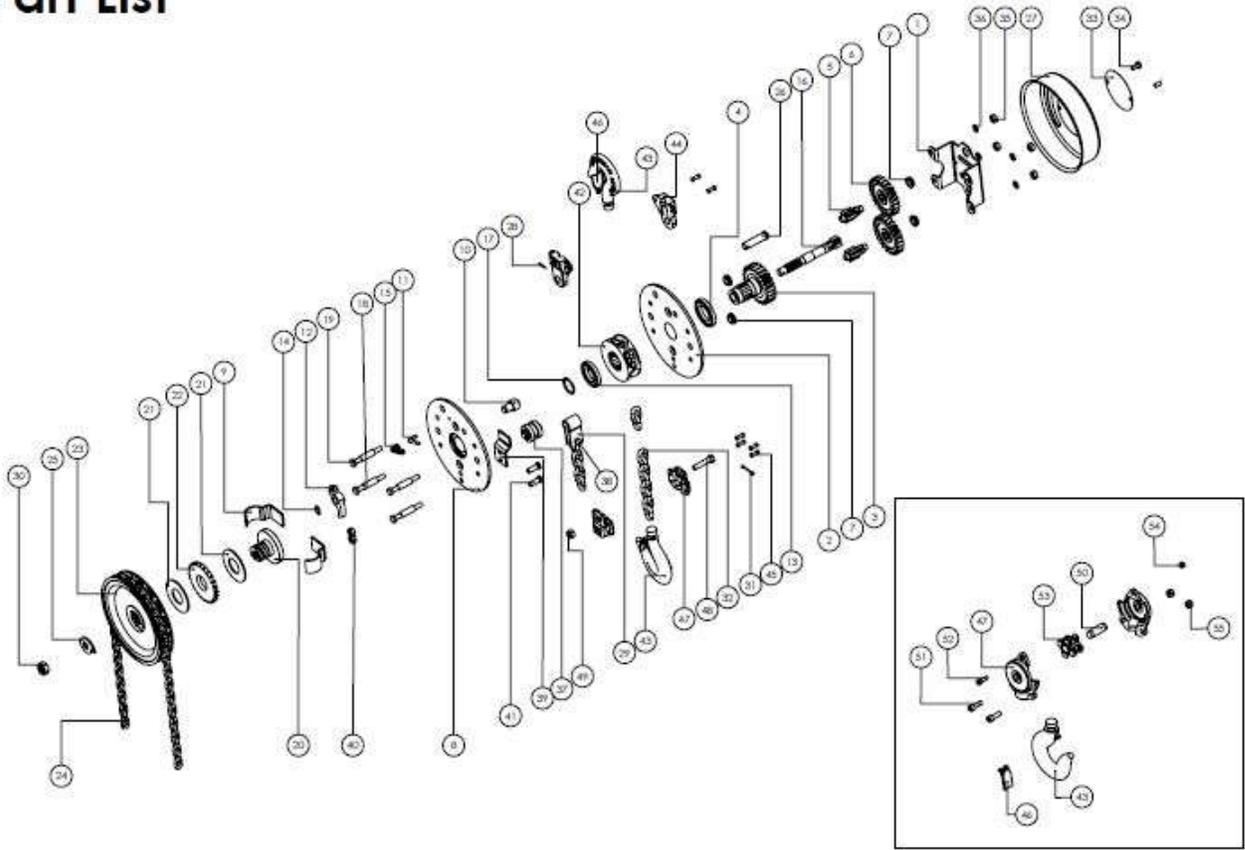
THIS IS TO CERTIFY THAT THIS PRODUCT HAS BEEN MANUFACTURED & TESTED AS PER STANDARD QUALITY NORMS.

Registered Office : B-9, DSIIIC Engineering Complex, Mangolpuri Industrial Area, Phase -1, New Delhi – 110083 Ph
:- 011-46802215 / 8595649738 | Email id :- goplseas@gmail.com | CIN No. U74899DL1995PTC068694

Works 1 : F-76, Sector – 2, DSIIIC Industrial Area, Bawana, New Delhi – 110041

Works 2 : Khewat No. 646 Khasra No.178, Beri Kultana Road, Sampla, Distt. Rohtak, Haryana – 124501

Part List



BALLOON NO.	DESCRIPTION	BALLOON NO.	DESCRIPTION	BALLOON NO.	DESCRIPTION
1	Reduction Plate	20	Coupling	39	Chain Striping Fork
2	Frame Plate I	21	Break Disc	40	Hex Nut
3	Load gear	22	Ratchet Gear	41	Single Slotted Flat Head Screw
4	Ball Bearing	23	Hand Chain Wheel	42	Load Chain Sprocket
5	Pinion Gear P2	24	Hand Chain	43	Bottom Hook
6	Reduction Gear G1	25	Retaining Washer	44	Top Hook Housing
7	Pinion Bush	26	Hook Attachment Pin	45	Rivet
8	Frame Plate II	27	Gear Body Cover	46	Safety Latch
9	Chain Guid Support	28	Cotter Pin	47	Bottom Hook Housing
10	Pawl Shaft	29	Chain End Anchor	48	Hex Bolt
11	Spring Road	30	6-Slot Hex nut	49	Hex Nylock Nut
12	Pawl	31	Cotter Pin	50	Bottom Chain Sprocket Pin
13	Ball Bearing	32	Load Chain	51	Allen Bolt
14	External Circlip	33	Name Plate	52	Allen Bolt
15	Pawl Spring	34	Hex Bolt	53	Bottom Chain Sprocket
16	Main Shaft P1	35	Hex Nut	54	Lock Nut
17	External Circlip	36	Spring Washer	55	Lock Nut
18	Spacer	37	Chain Guide Roller	56	
19	Hex Bolt	38	Hex Bolt	57	

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RECOMMENDED SAFETY PRINCIPLES

- ❖ Never lift load in excess of the safe working load marked on the block. The block has been proved loaded to 1.5 FOS for ISI marked product and 1.25 FOS for confirming to IS products the working load limit, but this has been done under carefully controlled condition. Use of the block at any load greater than the working load limit may result in damage.
- ❖ Never use a load chain as a sling, that is, by back looking.
- ❖ Before use, examine the load chain to ensure that there is no twist. In the case of a block lifting on two falls, twist can arise from the bottom block being accidentally turned over.
- ❖ Keep load chain well lubricated along their whole length and especially at the contact points between the links. In special circumstance, chain may be dry, but their life will be considerably reduced.
- ❖ If the load chain jumps, does not work smoothly or marks in use, it is probably out of pitch and should be replaced. (Either chain or chain wheel)
- ❖ Do not allow dirt and hard grease together in the pockets of the load or hand chain wheel.
- ❖ Do not store, or leave the pulley blocks lying on the ground where they can collect dirt.
- ❖ Chain pulley block are designed for lifting loads vertically and should not be used for pulling horizontally or at an angle.
- ❖ Never lift with the point of the hook.
- ❖ Never run the load chain out too far. When the block is run out beyond the extended dimension, an excessive and dangerous load is imposed at the load chain **slack and anchorage**.
- ❖ All pulley blocks shall be registered and, at periodic intervals, should be thoroughly cleaned, inspected and lubricated.
- ❖ Check the suspension fixture for top hook for adequate strength to support the load being lifted and the weight of the chain pulley block.

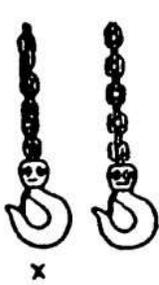
INTERVAL	TYPE OF CHECK	INSPECTION
1 Month	Visual Examination	<ul style="list-style-type: none"> - External condition of mechanism - Check the loading chain and attachments are in good condition - Check the hooks are in good conditions - Check the condition of accessories - Check that there are no dust - Checking the greasing - With a rag, oil the loading chain (oil grade SAE 80)
6 Month	In-depth Examination	<ul style="list-style-type: none"> - Correct operation of the break - See the sheaves is in good condition - Change the spare parts and check for wear

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FIG. ILLUSTRATIONS FOR THE SAFE USE OF HAND-OPERATED CHAIN PULLEY BLOCK



1. No twisting No capsizing for double type chains



2. Sling load from the centre of the hook



3. No direct binding of a load with a load chain



4. No overloading



5. No extreme slant slinging



6. No overlifting No overlowering



7. No rough handling



8. Do'nt forget to oil the load chain after use

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